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JANUARY 5, 1925

Issued Weekly

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VOLUME
XVIII

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NUMBER
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225 FOURTH AVENUE, NEW YORK

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JANUARY 5, 1925

AVIATION

VOL. XVIII. NO. 1

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VOL. XVIII

92

JANUARY 5, 1935

No. 1

More Aviation Cost Figures

WHEN governmental officials charged with the expenditure of millions of dollars of public funds cannot render accurate statements, it is better a confession and a look of shame than that they are evasive. Accuracy has not that merely appropriated for any activities of the government was being wasted through duplications and changes of plans or, to put it directly, because there is no governmental air policy.

The letter from the Secretary of War published elsewhere in this issue is a complete justification of the skepticism of Aviators when considering figures purporting to show the "cost" of Aviation. While statistical tables and numbers are full and unimpeachable to most, they are the only means that we know of reflecting ability of management, soundness of policy and results accomplished. Just because the people's money is being spent is no reason for less accurate accounting than in any business concern.

Whatever the objections to unified control of our governmental air activities may be, no greater argument has ever been made for such a reorganization than the errors, omissions and inconsistencies in the presentation to Congress of aviation accounting. It is not for Aviation to place the blame, for it is surmised that no one allowed it to blame. It is the system that should be criticized. If individuals have taken advantage of this situation to maximize the great sums expended for aviation, it has been through fear that our air defenses would be crippled. But that does not excuse error after error being made, especially when the figures apply to a fixed year the accounts of which have been closed for over a year.

In the meantime, it is proper to say that this Army has been kinder than the Navy to request to figures. Repeated requests to the Navy have met with no response. The Secretary of War did make an investigation and when errors were found admitted them. The Navy has pursued a policy of silence that is not proper nor in keeping with the fundamental principle that the public is entitled to know what it is receiving for its money. It is to be hoped that Aviators will receive from the Navy similar figures to those published by the Army. Then and then only can results be checked with ease.

We were evergreen interested in the future of aviation to study with great care the final accounting of Air Service expenditures. They should form a basis for services thought as to the future of aviation in the United States.

Automatic Steering

It is reported that a French engineer, M. Mauds, has further perfected the Avirobe Stabilizer, and that this apparatus is being installed on several commercial air transports as well as on military bombers. The operation of this stabilizer is of the simplest. Once in the air the pilot is re-

leased of all the difficulties of steering the plane, for the automatic pilot takes hold of the controls and keeps the plane on a straight course. The pilot can then turn his attention to navigating. If he finds that the wind is shifting him from his course, he merely presses a button marked "right" or "left," in the case may be, and the machine turns automatically. To rise, he presses a button marked "up" and keeps it down until he has gained the altitude desired. It works as simple as riding in a push button elevator.

Reports as to the success of this apparatus may be somewhat exaggerated, but automatic steering will be somewhat possible and it is only a question of working the problem out in practical form. Its machine work "Stabil Mids" is taking the place of the helmsman and steers a more accurate and therefore more economical, course. Anyone who has ever steered a ship in a heavy sea realizes that the vacuum of course is even greater than in air travel and just as irregular. The mechanical problem is more complicated due to the three dimensions of control and the effect of variations of speed, but for those very reasons an automatic pilot would make a greater service for air travel.

The automatic pilot will not help in taking off or landing any more than it will steer a ship into a dock, but it will be a great relief to the pilot while in the air, especially at night or when flying through clouds. In particular, it will enable him to concentrate his full attention to navigating his plane and keeping on the correct course. On the large aircraft of the future it will save the cost of a navigating officer and will allow of longer flights without fatigue of the pilot. This valuable development of the mechanical sciences has received little attention on the side of the Atlantic and it is hoped that the French developments will stimulate interest in this subject.

Pensions for Air Mail Pilots

THE death of Clarence O. Gilbert, an Air Mail pilot on night flying duty, brings seriously to mind the fact that our Air Mail pilots are not adequately provided with pension protection. The longer memory in which Gilbert attempted to push through a blinding snowstorm because "This Mail must fly" and died in the attempt, is related elsewhere in this issue. The story of his untimely death should arouse a general desire to see the pilots of the Air Mail Service placed on the same footing in the matter of pensions as our Army and Navy pilots.

The Air Mail is such a new undertaking that all of the legal machinery which it should possess has not been developed to the point it has reached in the other Government Flying Services. Now that the Air Mail pilot's duty—and night—devotion to duty has so poignantly been brought to the attention of the public, an immediate effort should be made to provide through legislation, more proper pension protection for those who risk their lives in "hard line of duty."

being mounted on the wing when they fly over the propeller, while the remaining two are symmetrical with the engine.

SPECIFICATIONS OF THE HANRIST AT PURCHAS PLANE

Item	Value	Item	Value
Wing span	26 ft. 6 in.	Wing area	217 sq. ft.
Wing chord	10 ft. 6 in.	Wing loading	11.5 lb. per sq. ft.
Wing tip	17 ft. 6 in.	Wing root	12 ft. 6 in.
Wing tip	17 ft. 6 in.	Wing root	12 ft. 6 in.

*Including pilot, fuel, oil, and other accessories which has an area of 18 sq. ft. With the two auxiliary wings attached to the leading gear the total wing area is 235 sq. ft.

The Hanriot-Spad Pursuit Plane

Robert-Hanriot, one of the veteran aircraft firms of France, which for long years was the foremost advocate of the monoplane, produced since 1923 three types of pursuit ships, all of which have the characteristic lines of M. Hanriot's design. That is to say, they are a blend of almost equal span (the top wing protrudes slightly) with the wings set at a positive stagger and braced by single I interplane struts, and with a well streamlined and rather sharp, plywood fuselage of monocoque construction.

The first in date of these ships, the Spad 61, with 300 hp Hispano-Suiza engine, passed last year the type test of the French aviation service, although the construction was given a production order. This ship, which is described below in detail, served as the workshop for the two later types—Spad 61 with 300 hp Hispano-Suiza engine, and Spad 61 with 400 hp Hispano-Suiza, which were produced to satisfy the requirements of the 1934 program.

The points of difference between these ships are of a minor nature, the most noteworthy being the different wing arrangements adopted for the Spad 61 as compared to the Spad 61 and 61. While the latter two ships have straight wings of this section, Spad 61 has a semi-cantilever profile and only the center section panel of the top wing is connected with the outer panels as can be seen below. Consequently, the top wing of the Spad 61 is composed of three panels. The center section panel is carried by an "open" rib of four steel tubes which are isolated outward, whereas the other two types have "closed" ribbing of inverted V shape.

Even the dimensions of the three types vary only by a matter of inches, although there is a considerable difference in weight between them, due to the different engine used. The description which follows equally applies to the three types of new rapid pursuit ships, except where stated to the contrary.

Spad 61 Described

The Spad 61 is an extremely broad biplane with slightly unequal wings, which are set at a positive stagger of 24 in. The external wing leading edge is relieved to a minimum, consisting of a well streamlined I-type interplane strut on either side of the wing, for each wing being made up of two panels which act as the same time as a drift wing. Both wings consist of two panels. The top wing is mounted on a rib of steel tubing, which is carried by the top fuselage longerons and is secured by an aluminum fork. The bottom wing panels are attached to wing ribs growing out of the fuselage. The wings are fabric covered.

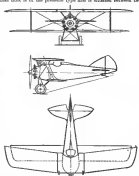
The fuselage of the Spad 61 consists of two sheet duralumin box girders 7.5 in. high and 1.6 in. wide, the skins being 3 mm. thick at the top wing and 2.5 mm. thick at the bottom wing. There are spars or cross-braces by duralumin tubes and wires, forward of the wings, and by duralumin cross-braces. Where the interplane strut fits in the wing, the latter is reinforced by a duralumin bar 2.5 in. thick and 1.6 in. wide, and a 2 in. x 2 in. x 1/4 in. bar. A false bottom of 1.5 section duralumin skin, secured with the main spars and it is so designed that the floor is hinged. The skins are very light and strong.

The interplane struts are forced duralumin box girders. The fitting for the wing spar attachments are forced by suitable fittings, which give the struts a characteristic appearance.

The fuselage is of the well known Spad monocoque type, which is composed of three layers of tape plywood, each layer crossing the other at right angles, with external covering of fabric. The fuselage is 19 ft. 6 in. long and measures 2 ft.

2 ft. at the motor diameter. At the forward and an isolated metal bulkhead, which covers a five inch, exists at the top of the engine tubes, and at the bottom the lower wing spars.

The engine longerons are two spars, built up of plywood and balsa wood, and are braced to the five inch by steel tube struts. Two sheet duralumin bulkheads further stiffen the engine and act as support for the cooling. The main fuel tank is of the pressure type and is situated between two



Outline drawings of the Hanriot Spad 61 (380 hp. Junior) pursuit plane

solid bulkheads, right aft of the engine. It can be released in flight through an aperture provided in the bottom of the fuselage. The main fuel tank contains about 70 gal. In addition a gravity tank of 5 gal. is mounted in the top wing. The oil tank contains 5 gal. The lower gear, exposed in the stern, forms an oil radiator. Landing indicators of the streamlined type are mounted on a canvasy portion of the fuselage under the motor.

The Spad 61 has Vaucoir-Rodet type biplane landing indicators.

The tail surfaces have wooden frames and plywood covering. The pilot's cockpit is unusually comfortable, the seat being well upholstered and fitted with arm rest. The equipment includes an engine indicator and a self starter. A canopy is made for carrying a parachute behind the seat.

The landing gear is extremely interesting. It consists of two streamlined sheet duralumin planes which are joined by a box type duralumin spacer bar, from the center of which the fixed steel tube axle is hinged. Two steel tubes further brace the leading gear to the fuselage.

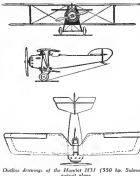
The structural elements of two streamlined machine guns, with 600 rounds of ammunition.

STRUCTURAL DETAILS OF THE SPAD AT PURCHAS PLANE

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Wing tip	17 ft. 6 in.	Wing root	12 ft. 6 in.

The Spad 61 has a wing area of only 260 sq. ft. The weight empty is 1740 lb., or 160 lb. lighter than that of the Spad 61, despite the more powerful Jupiter engine—and the weight loaded 2600 lb. This ship is said to be a particularly good climber, and to have a ceiling of 35,000 ft.

The Spad 61 has wing area of 245 sq. ft. and it weighs empty 2222 lb. and loaded 3545 lb. Despite the greater weight of this ship it is said to be very fast, not so much as



Outline drawings of the Hanriot H31 (550 hp. Saboteur) pursuit plane

amount of the extra weight horsepower as due to the better streamlining which it was possible to build around the Leornan engine.

The Hanriot Pursuit Plane

Two pursuit planes have been produced by the Hanriot company during the past year, the H31, with 500 hp. Hispano engine, and the H31, with 550 hp. Hispano engine. Both engines are of the radial water-cooled type, and both ships are biplanes.

The construction of these two ships differs in several important points, although in both cases has been very largely used. The wings have square notches duralumin long spars, braced on the fuselage, and lattice type plywood ribs reinforced with duralumin struts. Duralumin box girders are used as cross-braces. The wing covering is of fabric. Only the top wing carries ailerons.

The wing arrangement is of the single bay type, with an I-type interplane strut. In the H31 this strut slopes upward at a considerable angle so the bottom wing has a cork wedge span than the top wing, and does not therefore require special bracing. The lower side of the interplane struts "follow through" in a point in the leading edge where they meet the other struts, running down from the upper fuselage longerons. At both the top and the bottom wings are mounted with the fuselage, the resulting structure appears to be extremely strong. The interplane struts are of the H-type.

In the H31 the bracing system of the wings and of the landing gear is of a more orthodox type, the interplane struts

being set vertically while the landing gear is of the conventional V-type. An unusual feature of this ship is that the fuselage is mounted a certain distance between the top and the bottom wings by means of an upper and lower auxiliary duralumin tubes, connected at the corners of the engine. The result is not particularly attractive from the viewpoint of streamlining. The reason for this peculiar arrangement may be due to a desire of the constructor to give the pilot maximum vision, a desire which is further emphasized by the fact that there is a free space between the two fuselages with secondary struts.

The fuselage is in both types of ships, built of duralumin members, but while in the H31 the longerons and cross struts are built in one piece of 6 in. section members, in the H31 the duralumin tubes are used instead, with duralumin cross-braces and wire cross-bracing. In both ships the fuselage has roughly a circular cross section, which is obtained by fitting in the main structure of the fuselage a series of wooden struts and fabric bulkheads, which are fabric covered from the pilot's seat aft to the interplane, while the front section is covered with sheet aluminum.

The fuselage of the H31 has a particularly interesting streamlining from end to end, an aluminum spinner carried off the circular covering of the engine. It seems likely that this streamlining involved some minor differences from the standard production version, for in the H31 the streamlining is not so elaborate, though still good, and there is no spinner to the propeller.

STRUCTURAL DETAILS OF THE HANRIST PURCHAS PLANE

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(To be continued)

Book Review

AN INTRODUCTION TO THE ENGINEERING OF AIR TRANSPORTATION. By Thomas Blum Kennedy. (The MacMillan Co., New York, 1934.)

There has long been urgent need for an up-to-date text on the commercial operation of aircraft, and the following book has not even been attempted since the issuance of Hald Thomas' "Aerial Transport." Thomas H. Kennedy, an American who became an outstanding student of the subject while completing his doctorate at the University of California at Columbia University, has undertaken to step into the breach with this work.

The book is rather a handbook than a text, so it is made up largely of compiled data and quotations, but as a handbook, with particular reference to the present status of air transport in the eastern hemisphere, it should prove very useful. Shortly after this review was given over to a publication of the world's air lines, with a discussion of the equipment used by each and the present status of the service rendered, most of this information has been used directly from official sources by H. Kennedy during an aerial tour of Europe made a little more than a year ago. The log of the tour is given in fact, with interesting comments on the several trips taken and on the airplanes used and their handling, the author's own comments being reinforced by quotations from the opinions expressed by Prof. Edward P. Warner and Greer G. Loring in a report of their own aerial tour of Europe, which was made in 1932.

Full credit is given to the operations of the United States Air Mail, the author having very definitely to the contrary, that this stands first among the commercial flying undertakings of the world, and the operations of the U. S. Army transport are also discussed. They have been too little reported and too little understood by Americans.

The last part of the book gives over to a history of aviation and a treatment of the technical features of airplanes and airports, running to a total length of some thirty-five pages, and illustrated with a number of photographs of aerial activities. This volume of the book is a valuable reference to the reader and is a substantially named by several errors.

National Air Policy Suggestions

Editor, AVIATION—

Your latest invitation to your readers to criticize or discuss your National Air Policy tonight was to accept although it did so with some reservations, for I feel that so many able aeronautical minds are contributing to the solution of this so important matter. It relates to both the Governmental and Commercial operation of aircraft.

If it is the best intention of the Government to encourage the commercial operation of aircraft, the advance to its economy by Air Mail system—concentrating the principal cities of the country as a governmental operation? I try not urge Congress to pass the necessary legislation which will allow the Postmaster General to contract for this service? Pass either the Stinson, Kelly, LaGuardia or some other act.

The present Air Mail service is the only system of mail transportation operated by the Government, all other forms are restricted for. The Post Office Department has always contended, before the House Appropriations Committee, (possibly) that the Air Mail Service was a demonstration of the feasibility of airplane transportation. This demonstration has been successful and even might have been apparently proved to be successful that a further attempt will be inaugurated in the spring by starting the supplementary Chicago-New York west night service.

The declared policy of the U. S. Dept. has always been to turn over the carrying of mail by air to private carriers, when the law permitted and restriction was able to find such carriers. I think it will be necessary that a contract is given to the mail, which will give the private carrier the right to the controlling means of service which would induce private capital to back a financially loaded airplane transportation company.

If then we are ever to have other than Governmental aerial activity, why is it not most important to make it possible for the U. S. Dept. to give some of all its transportation business to private air craft company? I am think of nothing which would so encourage capital to embark on this new mode of transportation.

Are we going into an extensive system of transportation operated by the Government or are we to maintain our present century-old policy?

Is air service as there is ever to be an important factor in our national defense, why do we not build up a fleet of airplanes that are used in bringing it into existence?

M. E. Barry

Central Isl., Cal.

Ed. Note—The reference to a contract with Air Mail companies under the principal clause of the bill, was not meant to imply that the bill would require the Government to subsidize private carriers.

Editor, AVIATION—

Regarding "A Suggestion for the Window Bill" I wish to say what follows:

The job of the Post Office Department or our Federal Government is to forward the mails. That is an essential in doing so and has been for decades, and it is essential to the existence of a nation as in no more mean for existing to the Post Office Department the job of regulation of aviation was much then as the expression of the department in handling Postal Air service. The law given to the Postal Authorities the regulation of the Express Stations or of the Transportation of Packages.

It is my belief that it is not the job of the Army or of the Navy to promote business for airlines or of aircraft that the job of administering the general provisions of the Window Bill was not assigned to one or the other of these departments of the Federal Government.

It has much longer to the aircraft industry likely to prevent its looking to Federal aid for its commercial development? It is certainly not the Government's and private aid for aircraft does not wait. The one or two brilliant exceptions in this general statement merely emphasize its general truth.

The Government should have the police power in the regulation of the private use of aircraft. It should be serving such places as still and registration of pilots, and

study of landing fields and administration thereof, air-ports and classification of aircraft and traffic rules. While the Government has the power of regulation, the most factor in the business of transportation, commerce in the various forms will be regulated by aviation and will be greatly assisted by the Government, can be possibly assisted with the need for information for ordering, writing regulations. If the proponents of the Window Bill were prepared to advance to the Government of aviation administration in the creation of an organization corresponding to the American Bureau of Shipping in which Government and Underwriting and Industry are such recognized, and which functions for bottom of American registry pretty much as does Lloyd's marine register, such an organization would be given a title perhaps of American Bureau of Aircraft Navigation and Rules and Regulations covering various phases of civil aviation. Such use of structure would be adopted and promulgated with all interests concerned properly represented in their preparation. Their application for Government control and participation in the development of the industry on either a local or a national basis.

A. B. Eaton

Van Nuys, California, California

New Automatic Stabilizer

The problem of automatic stability in airplanes is one which has long been of interest to inventors. By automatic stability is meant a device which will keep an airplane on a desired course without the intervention of a pilot. In the country Lawrence T. Ford, used a long way toward producing an "Automatic Pilot" through the use of a gyroscope apparatus which adjusted the controls through an air pressure system. This was in 1918, when he filed the application to a Carter, Egan and Ford Co. with automatic stability. As he intended no management from the United States Government, he took the plan to France where the apparatus was thoroughly investigated and its value recognized.

There have been several other attempts to produce an automatic pilot, perhaps the most successful of these being the apparatus produced by George Arlberg, of Sweden. This apparatus was described in detail in the March 23, 1921, issue of AVIATION. The basic principle was a mercury column which, when tilted, sent out of balance, the mercury would run on one side where it would cause the controls to be moved in such a way as to return the plane to its normal attitude.

The column was tilted as the controls moved and vertical tubes adjusted the level of the mercury, thus taking into account variations in the speed. In the original apparatus the forward air control and the ailerons moved were automatic, but the rudder was controlled by the pilot. The device was fitted to several Handley Page bombers and was used out on the London-Panama commercial air service with considerable success.

It is now announced that the Arlberg stabilizer has further been perfected by a Frenchman, Mr. Maas, a few years ago in detail has been made, and is now being used on the stabilizer, but it is known that the rudder as well as the ailerons and elevator are now controlled automatically. The pilot takes off and lands the machine, but once in the air it corrects itself and keeps the machine on its intended course. When he wishes to put the machine in a steep climb it does itself be his hand sufficient altitude. If he wants to turn to the left he presses another button, and the machine turns to the correct bank and turns, straightening out, and so on so to maintain the balance. Pilots and passengers say that the machine flies a straighter course and speeds itself more smoothly and quickly to lands than the usual methods of flying. At present the apparatus is only fitted to two Handley Page bombers of the French air service, but it is to be used on other types of aircraft on several military missions. This equipment has also been used by the French Air Force on the Paris-Bordeaux line and for three of the three-tonned Caudron which are being used on the night service of the French Air Force. It is expected that the device will be of particular value for long night flights and cloud flying.

Volcano Destroys Landing Field

Editor, AVIATION—

Last year when the air forces of the United States Army at Honolulu desired to establish a landing field on this island, they sent a committee headed by Captain Kirkpatrick to make the investigation, and eventually the most suitable place was found to be at a bay of volcanic ash which the vicinity of Kilauea Volcano, but a short distance from the 5000 feet of volcanic lava. The Captain felt that it would be quite likely that the wandering volcano could be guided by a pillar of smoke to do, and by a pillar of fire by night.

During November, 1933, the volcanic eruption drove the United States National Park, as published in the February National

A Hawaiian landing field that was—before Kilauea volcano erupted and covered the site with boulders and lava

(Graphic Magazine, was obtained by Lord R. C. Winton of the Air Service, headed by Sgt. Richard Agnew. At times during their flights they saw within 500 ft. of the lake of fire with its temperature of 2000 deg. F.

In May 1934, after being an good observer for 124 years, Kilauea Volcano came up, and bombarded the immediate vicinity with thousands of boulders of red hot lava; and destroyed the automatics and other which thousands of boulders and melted the volcano during the previous few months. During this eruption the airplane field was thoroughly pelted with boulders, some weighing as much as eight tons, going about one mile high in their flight, and landing and burning their centers where they struck on the landing field. The island prison gave us idea of how thoroughly this work was done, so that one could hardly find a shelter, much less an airplane.

THOMAS B. BROWN
Superintendent, Hawaii National Park
Volcano House, Hawaii

Strong Views on Air Power

Editor, AVIATION—

I wish to send myself of the variation of the publisher of AVIATION to submit briefly on an Independent Air Force. First, the greatest discipline of the science is a Britisher, Mr. Glad of the London Aeroplane, and he is the most outstanding Britisher "one" has ever read. His article in your issue of Nov. 23 regarding our agreement of the influence of the British Navy has had some of the building of the British Empire and upon World Theory in general. The manner in which he describes his Navy marks of a personal perspective.

Second, his conclusion that the Royal Air Force in new Britain's first line of defense was the Royal Navy (Retired) is greatly stated. Granted that the Royal Air Force can do much to defend our shores, but it is not the Navy which is England's chief possession, Dimpson and World Markets from being gobbled up by a naval power? Can it promote the superiority of the Empire as the Royal Navy has done for the past century? Can it prevent a situation

where the of the British like? Mr. Glad correctly states that the Royal Air Force did make the German mistake, but will informed people know that the North Sea was barren, the coastline plain of surface and the organization of the navy system more more important factors? The submarine force then was the Air Force.

It is easy for Mr. Glad to come over and tell us what to do—and for General Dimpson to tell us what to do—there is the question of the Air Force, how under the command of the Navy?—any because they apparently have an understanding of the Air Force and the influence which it has had, and must necessarily always have, upon the destiny of nations. In the present state of Aviation, how under the use of it we rely upon it alone, not to expect to maintain anything but our conventional shores from a common? I have seen an example of the "Mines" in the "The Ship" in China, the most famous Navy Tactician, the International Police, our sailing positions, and World Markets? When the kind of nation development is limited by the development of the interest of the nation, and the nation is already very much involved the kind of development, how can we so much and accordingly as that Air Force will "dominate" the Sea Lane of communication? Is the fallacy when the location of a land ship on a previous field can be made any time regardless of wind and weather, making it easy to see as it is, without surface assistance from land and sea, and to such strength that it can hold until it can then and then only as the Sea Force enter on force at Air Force and the Navy and the Air Force of the world be stopped.

There is a single line a constant on Air Force, versus Sea Force and Land Force, rather than upon an Independent Air Force, but the greatest danger of an Independent Air Force is its independence from the rest of the world. The Air Force, the Army and Navy, is the only one to support them either there to be an integral part of the Air Force. One cannot have an Independent Air Force, the airplane will not get itself out of the Navy and the world of Land Force is limited for a changing down. There is no such isolation and facts for prohibition and forces, then we will be perfectly competent to do as we see fit and make it as we see fit. Our Navy is the only one to support them either there to be an integral part of the Air Force, and the Air Force is the only one to support them either there to be an integral part of the Air Force, and the Air Force is the only one to support them either there to be an integral part of the Air Force.

The writer is a naval pilot, an aviator, and is an aviation fan. But the danger of an Independent Air Force, and of the propaganda now appearing, is that it is a danger to the world. The Air Force is the only one to support them either there to be an integral part of the Air Force, and the Air Force is the only one to support them either there to be an integral part of the Air Force.

THOMAS B. BROWN
Superintendent, Hawaii National Park
Volcano House, Hawaii

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CLASSES

U. S. NAVAL AVIATION
(Continued)

CLASSES

The conflict events that have been observed with this school were significant during the past year at various Naval and Army schools, stations, and experiments with a view toward the adoption of similar short wars, light weight equipment for aircraft. The first experimental set of this type for aircraft which was held by the Navy was established on the night of the U. S. in the Atlantic. A series of tests was being held out in a D-111 ship. The first test was held out in a D-111 ship. The first test was held out in a D-111 ship.

CLASSES

The short war was observed on the D-111 ship. The first test was held out in a D-111 ship. The first test was held out in a D-111 ship.

CLASSES

The short war was observed on the D-111 ship. The first test was held out in a D-111 ship. The first test was held out in a D-111 ship.

Publisher's News Letter

The last news that has reached AVIATION is a long time has been a decision from the Secretary of War abolishing our claim that it is improper for officers of the Air Service to run under the guise of a Service publication a magazine which is really a private venture intended to compete with others in the field.

The letter states:
"The Secretary of War has given careful consideration to your complaints against the magazine U. S. Air Service. This magazine is not a service publication, and it is not a private venture conducted by a corporation over which the Secretary of War has an authority. The Secretary is, therefore, unable to issue any orders to the publishing company."

The Secretary of War has directed that no officer of the Army will use, or permit others to use, his name, title, prestige or official position to assist this magazine, or any other privately owned magazine, to obtain business. The Secretary of War trusts this action will remove any ground for just complaint against the Army in connection with the magazine in question.

The Secretary of War has, however, authorized the Air Service to conduct a service publication along the lines of those conducted by the Infantry, Cavalry, Field Artillery, Coast Artillery and Corps of Engineers.

Mr. Charles Garg, Editor of The Aeroplane, viewing this comparison from the foreign point of view, wrote what here: "It is true that outside England, Russia, where everything naturally belongs to the State (Russia the rule), no service publication would be allowed to compete directly with a commercial enterprise as seems to be allowed by the American Service High Command. But the fact that U. S. Air Service does exist, shows the way in which the Commanding Officers of the Army and Navy appreciate the need of an advertisement."

A word or two in explanation may prove enlightening. An Air Service Association was started after the War, and what was supposed to be a Service publication began. By using the magazine less as well as the day, the publication was kept going for a year or so, but it soon became apparent that the intention was to publish a general aviation magazine, to interest the public, and not a service publication. When Congress commenced to investigate the many publications that Service had started during the War, the officers running the magazine in question secured the advice of expert legal talent in one of the Departments and found a way to evade Congressional examination, as well as that of the Secretary of War. The magazine was incorporated, \$50,000 worth of stock was offered to the public, and the announcement was made that it was no longer a Service publication. About \$10,000 worth of officers' time—not "out of office" time, but while time by detail—had by

then been spent in building up the magazine. At this point the corporation dissolved itself into two parts. First, that the War Department should not build up a publication with government funds and then permit it to incorporate and to compete with privately owned publications. Second, that officers should not be permitted to use their official status to finance and direct a civilian magazine intended to compete with existing magazines.

The Secretary of War at first thus directed officers holding stock in the publishing company to dispose of it, and stated that he did not look with favor on officers having anything to do with publications that dealt with War Department policies other than Service magazines.

Then came the second period. The magazine now represented itself to advertisers and subscribers as a Service magazine. By every device known, it misrepresented its true status and until Representative Nelson on the floor of Congress told of its true character, there was a continuous campaign to give the impression that the publication was owned and run by officers. Aircraft construction who were seeking large contracts were asked by officers in advertising, and whether or not they wished to use the publication for this purpose, declared that to do so would further their designs to official circles. The holders of these misrepresentations led to the complaint of AVIATION. As a result, the Inspector General of the Army made an exhaustive investigation, while the Judge Advocate General of the Army reviewed the legal aspects of the case. Finally a decision was rendered which in every way supports our contention that it is improper for officers to use their "name, title, prestige or official position to assist this magazine, or any other privately owned magazine, to obtain business. Support which naturally should have gone to the trade press has been diverted to this unofficial, and yet very official, publication. As the magazine was not under the expense of other privately owned publications, it could produce much more elaborate content than can be afforded by publications which have to be self-sustaining.

The future action is rapid to effect. Connections with U. S. Air Service will be watched with great interest. The Lampert Committee that is investigating the Air Service has already started to probe the publishing activities of officers, and when prompt and adequate measures are taken to correct the situation, more will be heard of this matter.

This rather involved publishing problem has been presented to our readers not so much to let them know of the difficulties under which AVIATION has labored but rather to give them a hope that AVIATION in 1925 may be able, rid of unfair competition, to render greater service and give a larger volume and variety of reading matter than heretofore.—L. D. G.



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